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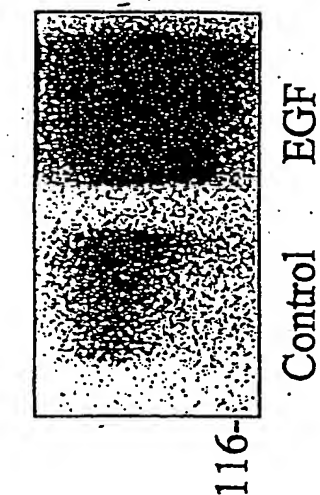
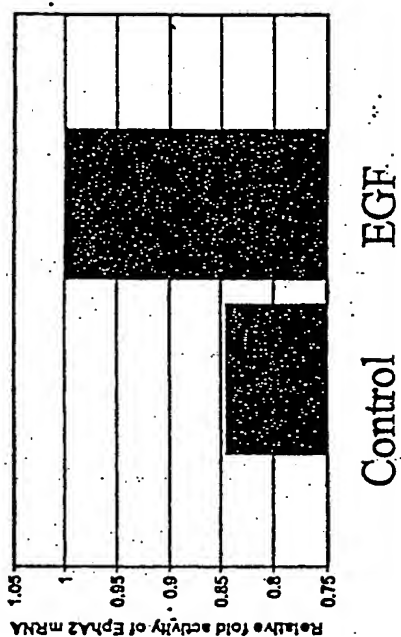


FIG. 1

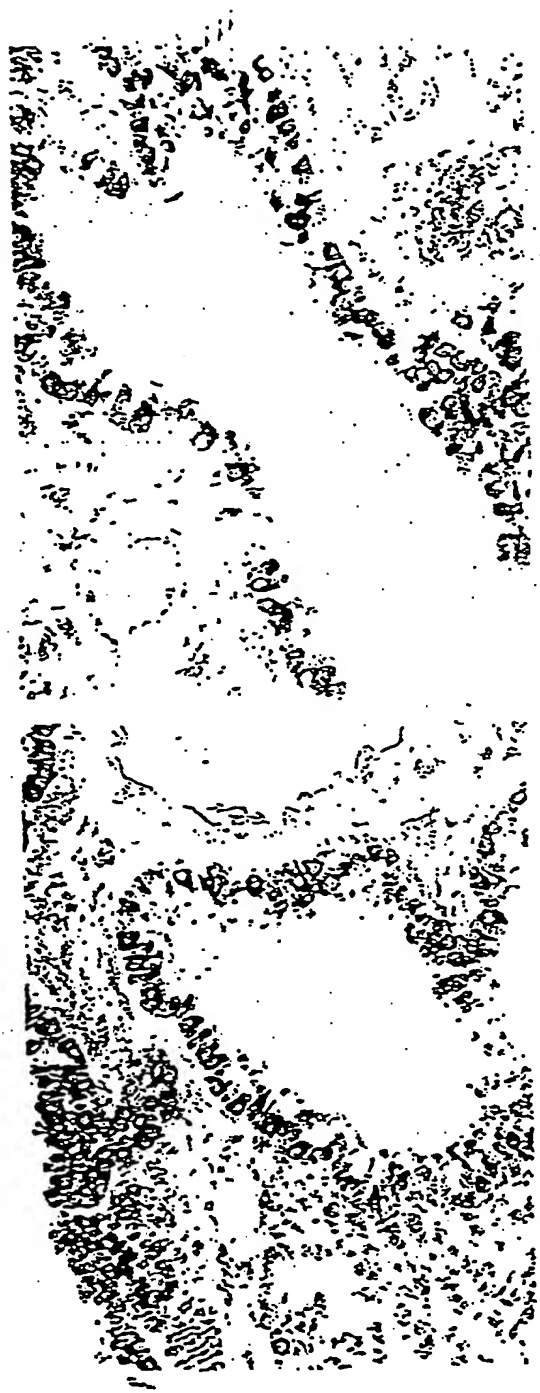


FIG. 2A

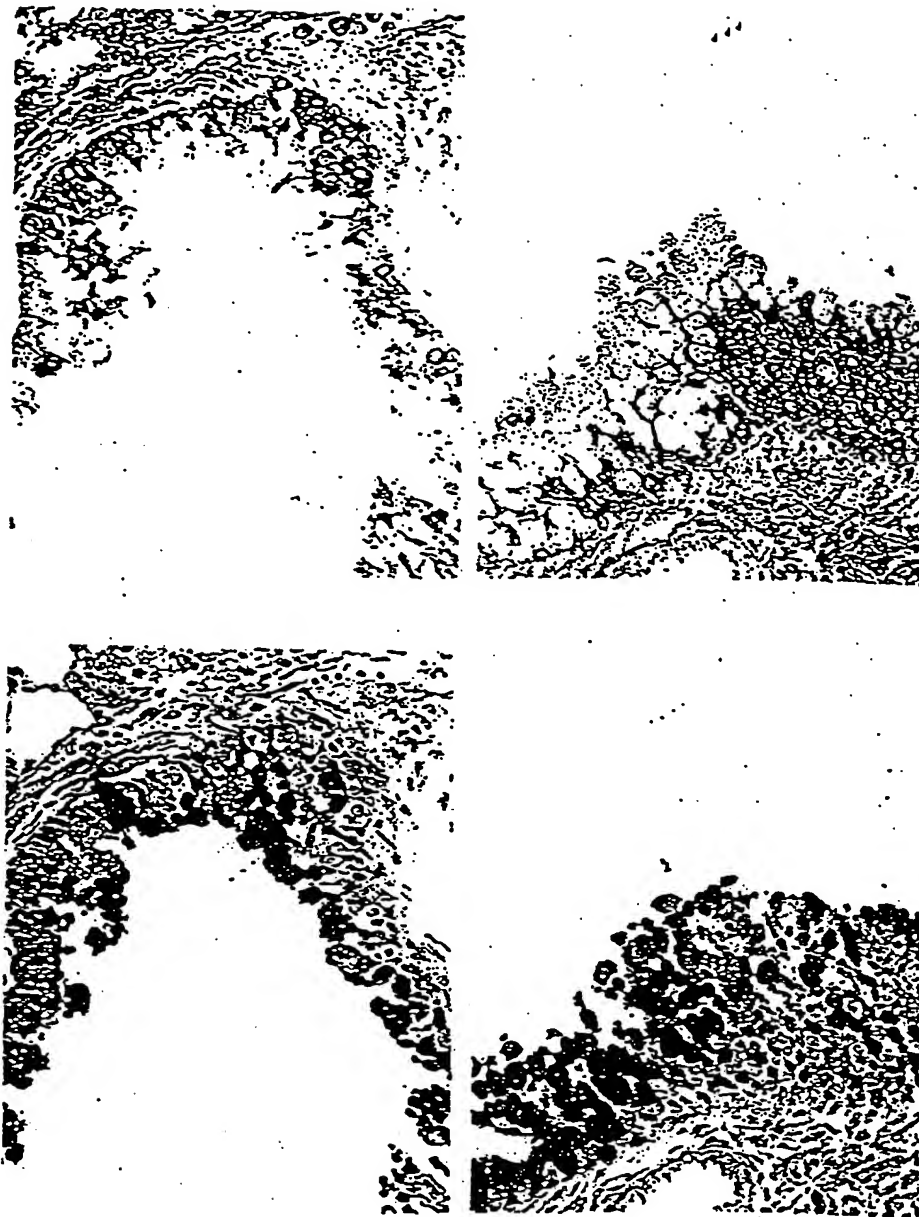


FIG. 2B

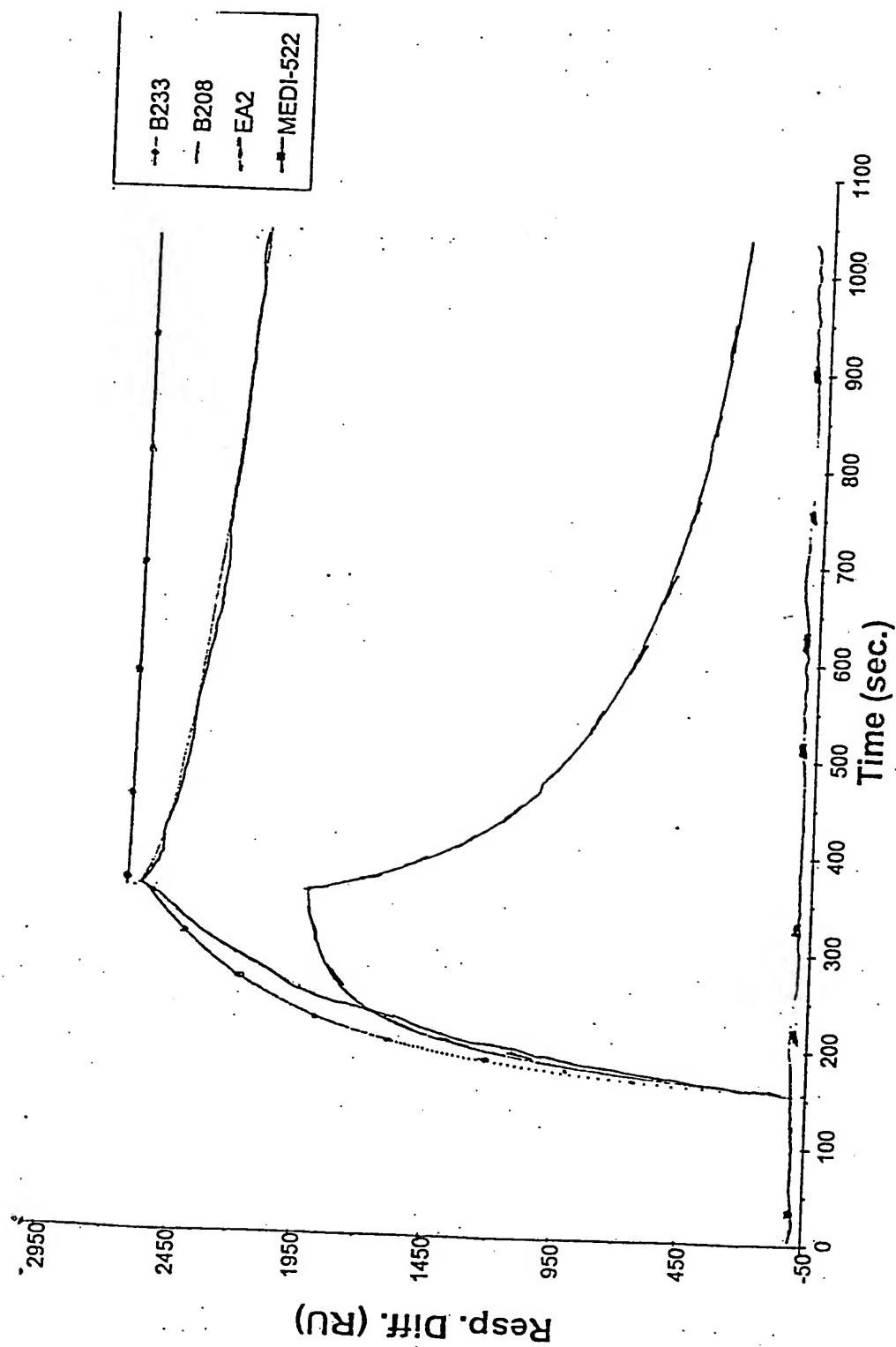


FIG. 3

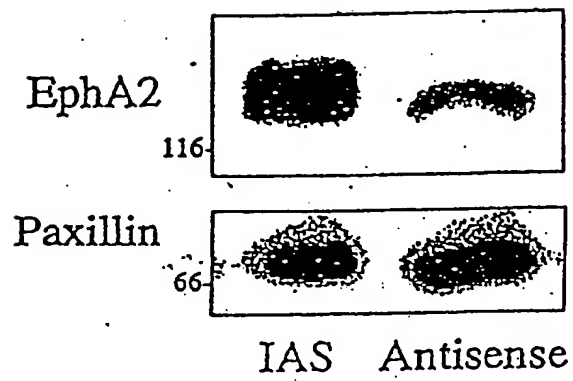


FIG. 4

Anti-EphA2 Variable Light and Variable Heavy Chain Sequence

VL
QIVLTQSPALMSAPGKVTWTCSSASSVSMY-----CDR1-----
DIVLTQSPATLSVTPGDSVNLSCRAQSISNNLHWYQKSHESPRLLIIVTQSIIGIPSRFSGSGSGTDFTLSINSVETEDFGMYFCQQSNSWPLTFGAGTKLELK
-----CDR2-----
-----CDR3-----
208
233

VH
QVQLQQPGAELVKPGASVKLSCKASGTYFTSYWVHWVKORPGQGLEWIGMIHPNSGNTYNEKFS-----CDR1-----
EVKLVEGGGLVQPGGSLSLSCAASGFTFTDYSNMWVROPFGKALEWLCFIRNKANDVTIEYSAVYKGRFTISRDNSQSIYLQMNALRAEDSATYTCVRYPRYHAMDSWGQGTSTVTVSS
-----CDR2-----
-----CDR3-----
208
233

FIG. 5

Altered Adhesion and Signaling in Transformed Epithelia

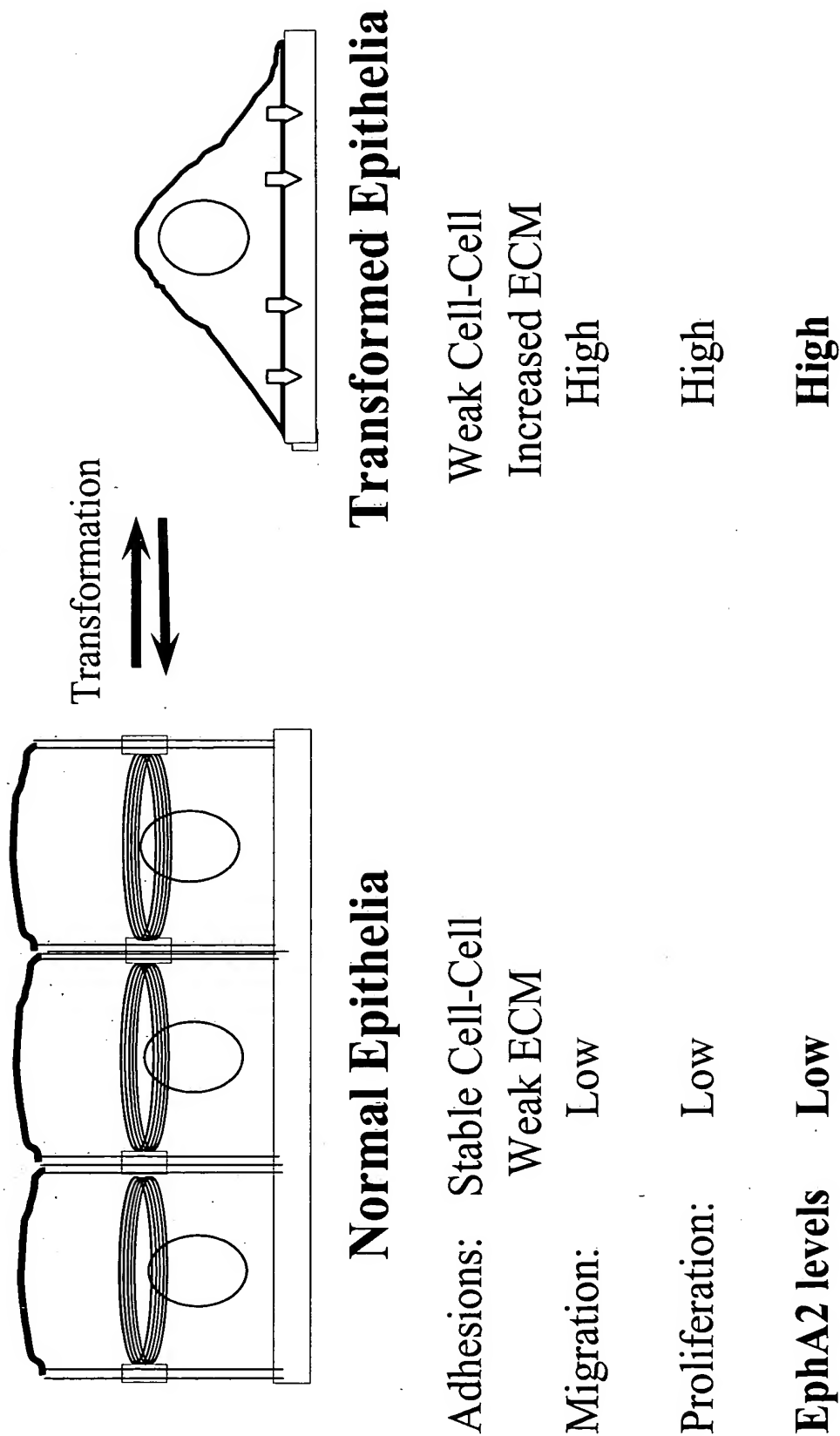
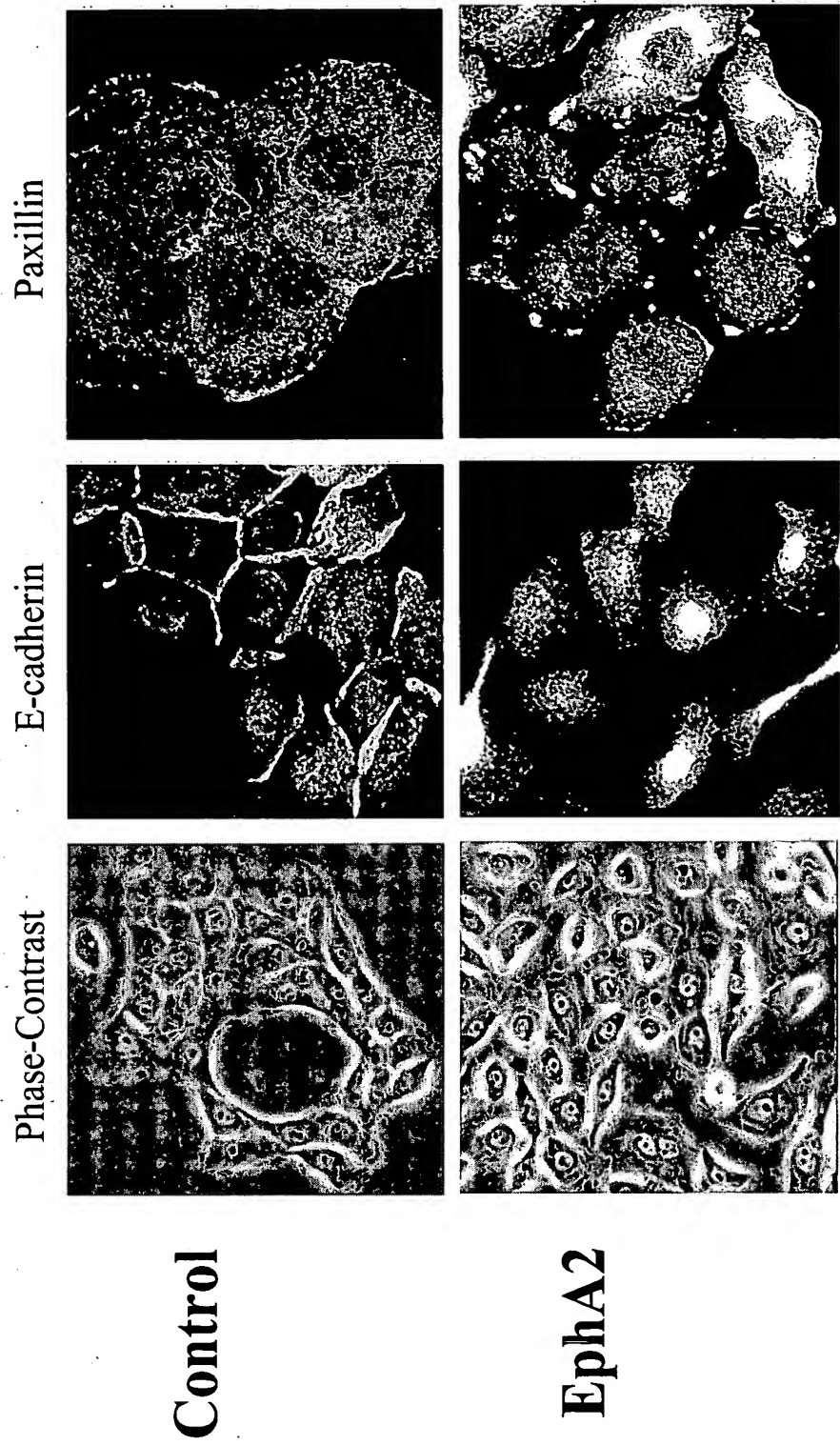


FIG. 6

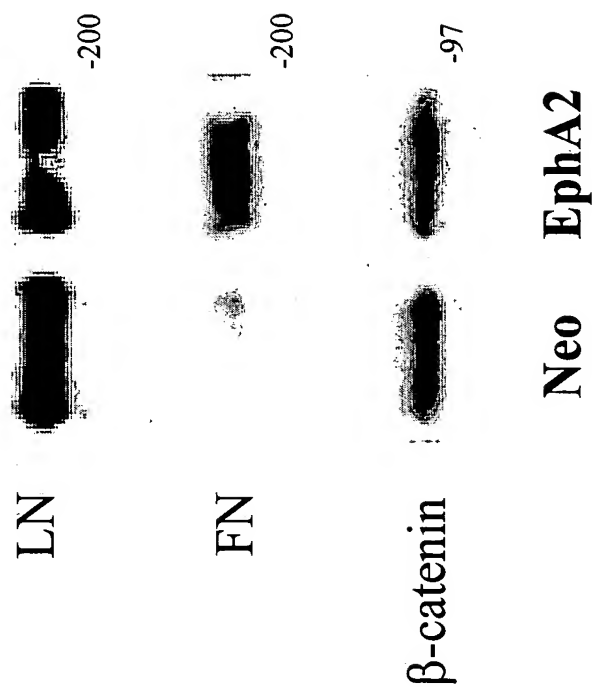
Upregulation of EphA2 alters adhesion
properties of epithelium



MCF10A mammary epithelium

FIG. 7

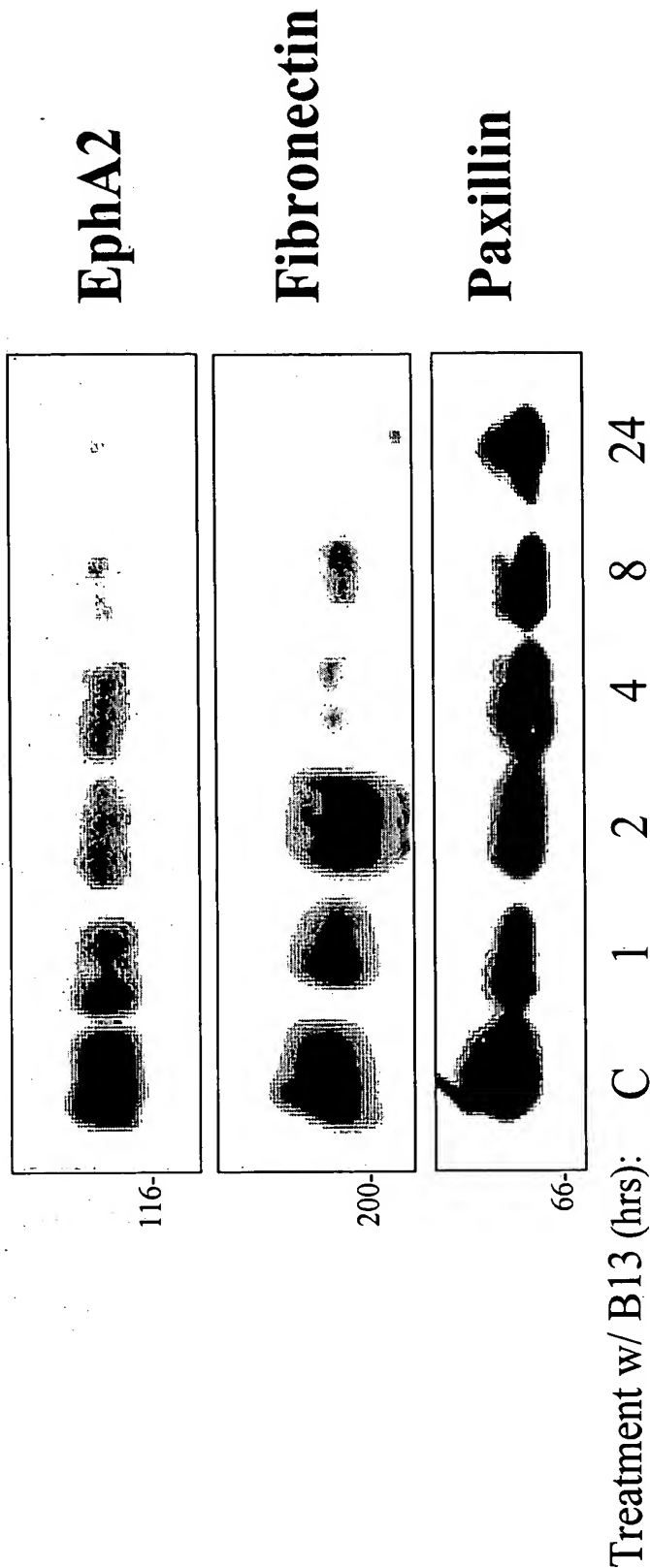
High Levels of Fibronectin in EphA2- Overexpressing Cells



MCF10A mammary epithelium

FIG. 8

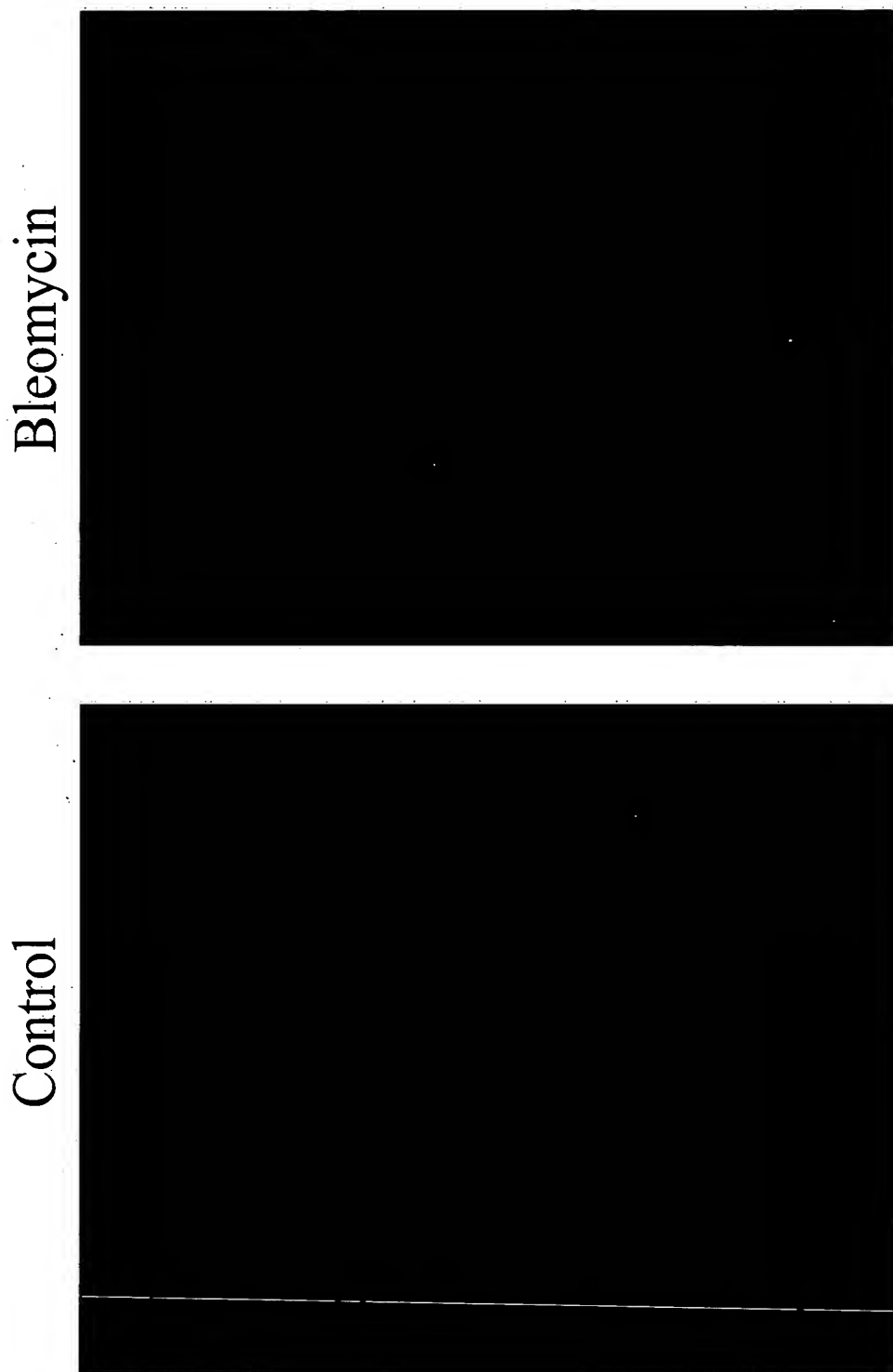
EphA2 Antibodies Induce Fibronectin Degradation



MDA-MB-231 breast carcinoma

FIG. 9

Changes in Cellular Morphology and P-Tyr Localization

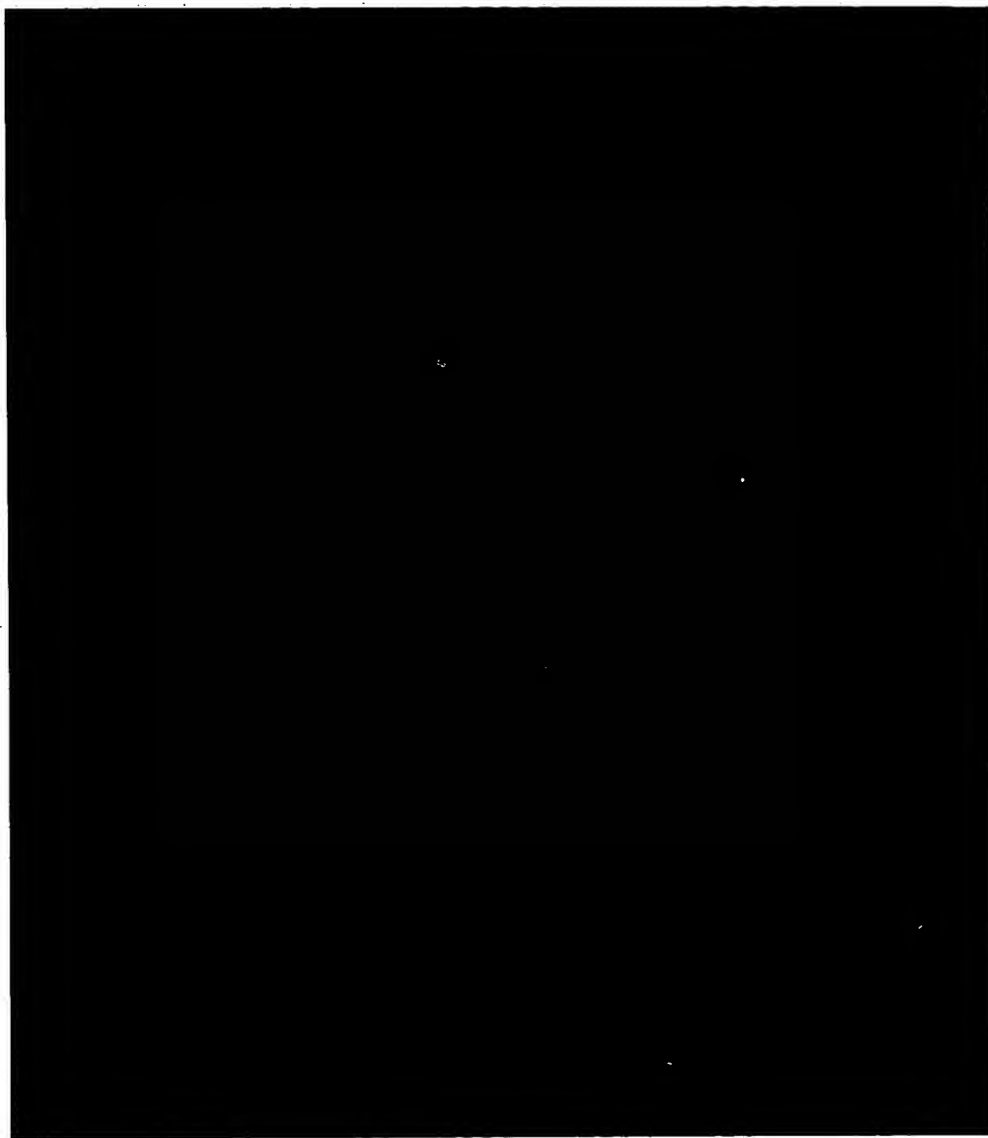


(Beas2B cells +/- 24 hour exposure to 25mU/ml bleomycin)

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FIG. 10

Presence of focal adhesions in bleomycin
treated cells



Bleomycin-damaged epithelium secretes IL-8

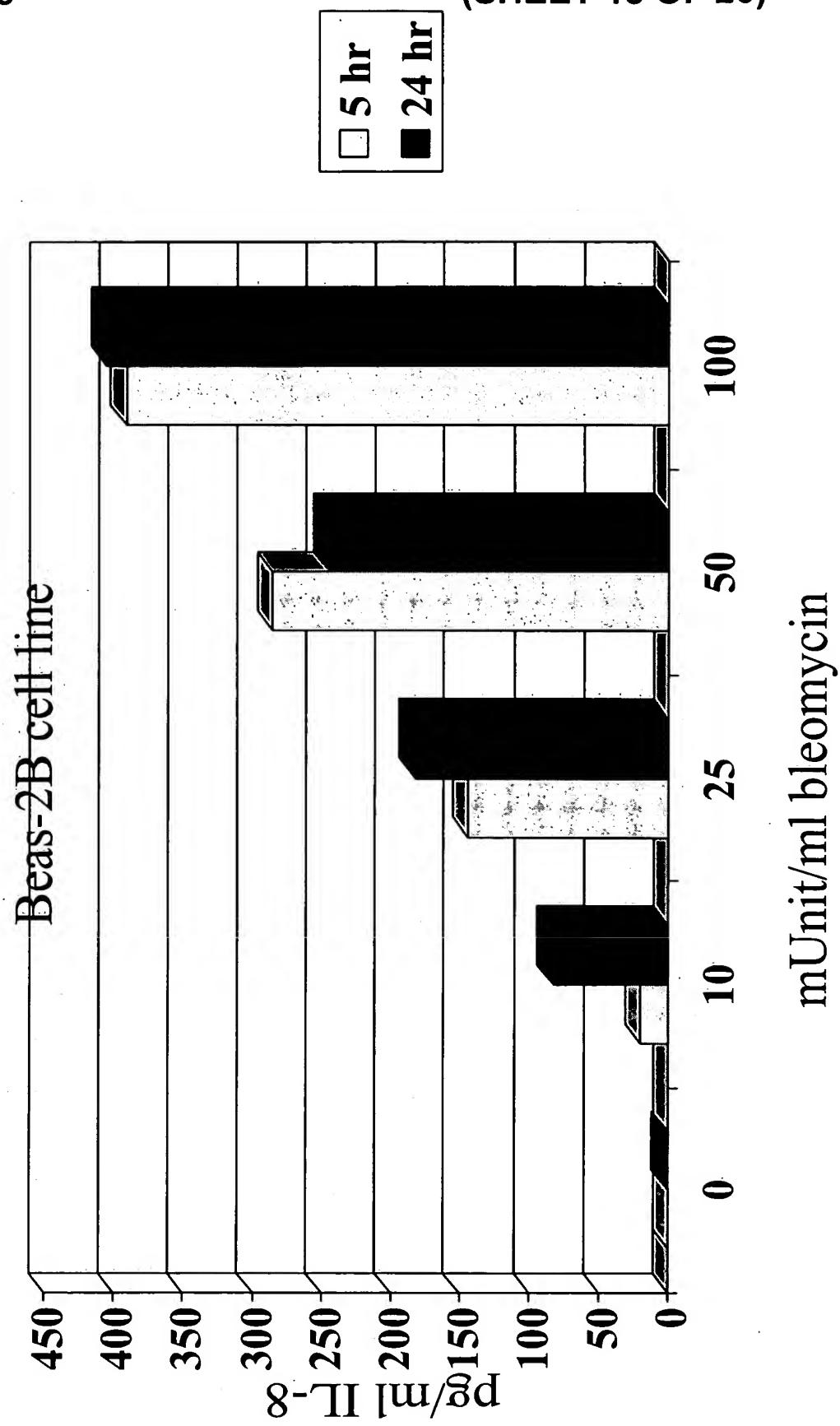


FIG. 12

Bleomycin-damaged epithelium secretes IL-6

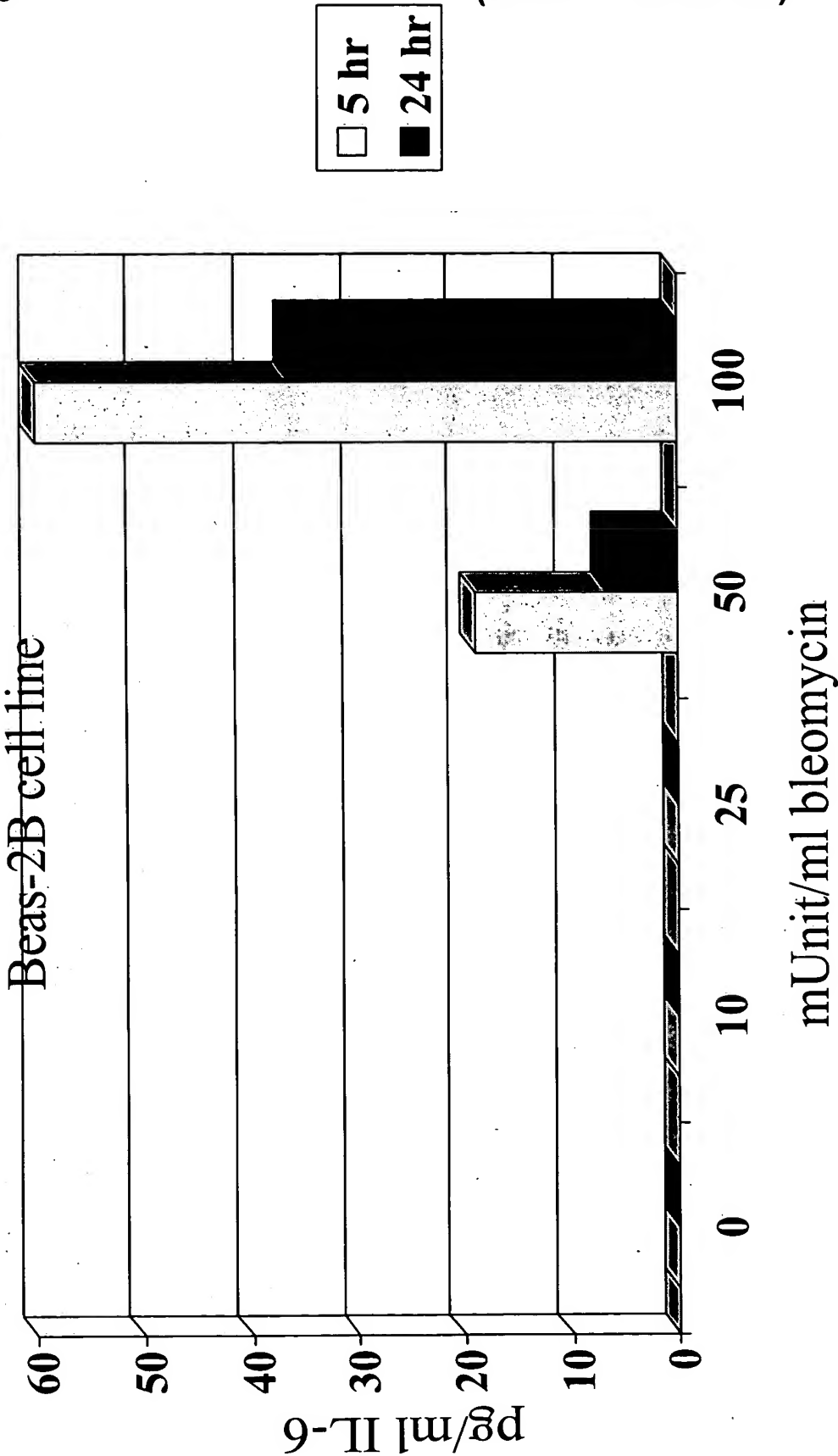


FIG. 13

Induction of Apoptosis in
bleomycin-treated Beas-2B
cells: Annexin V (+) / PI (-)

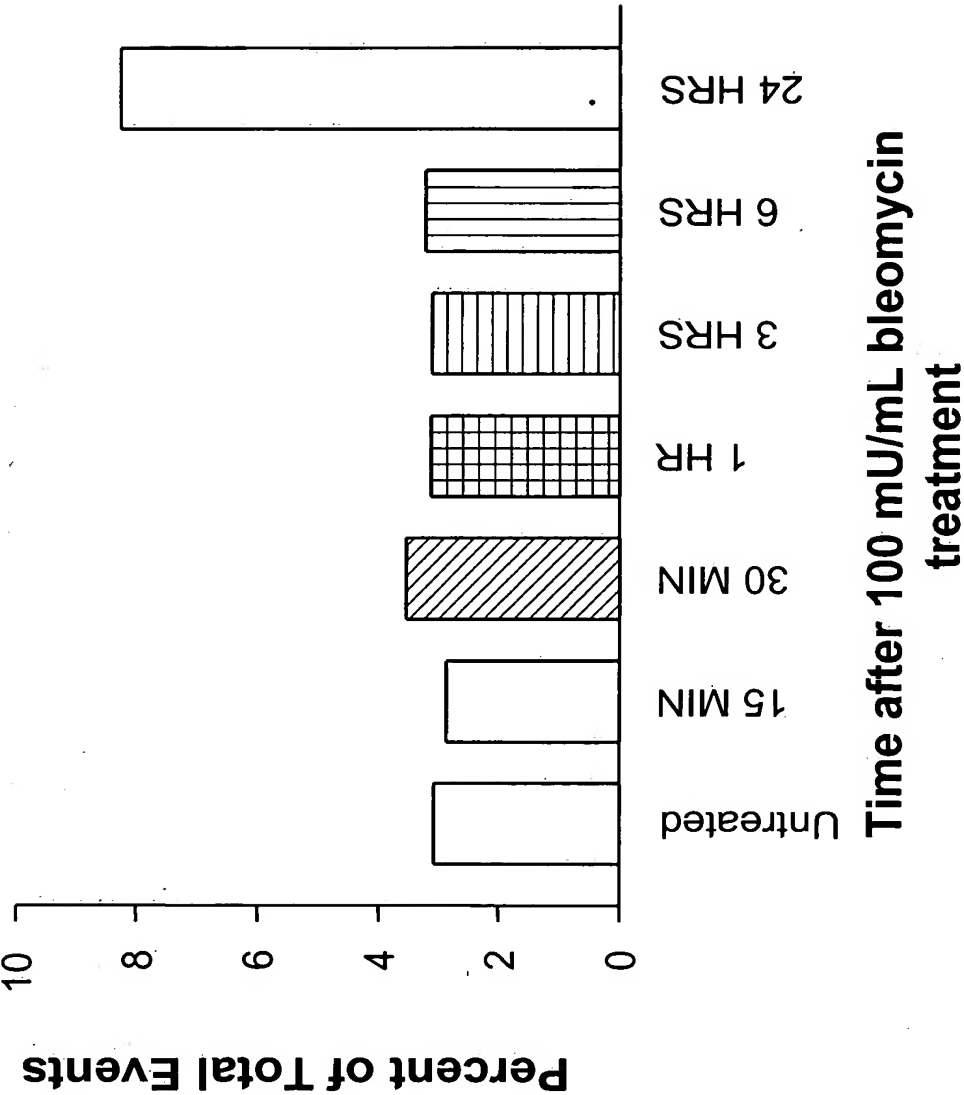
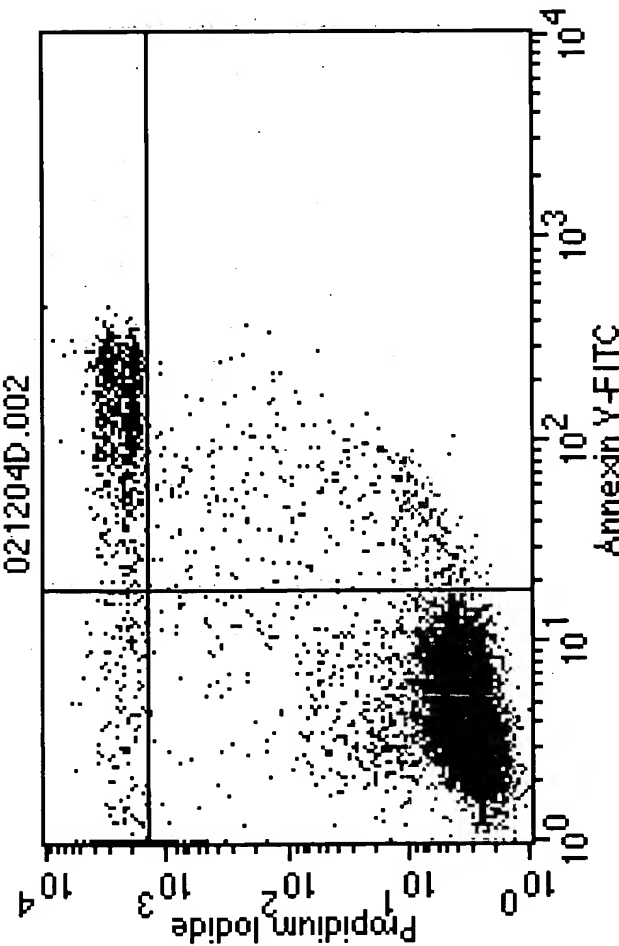


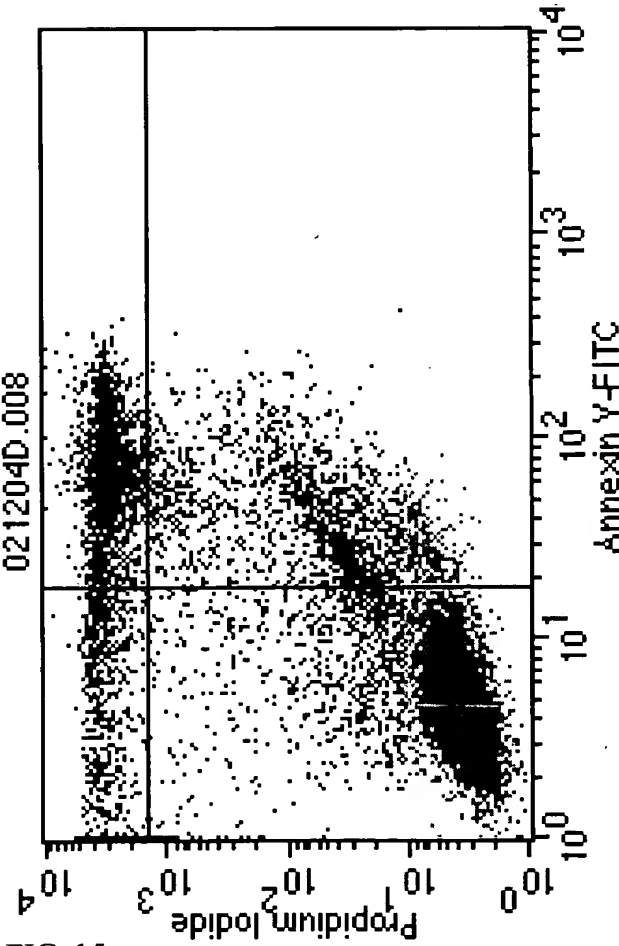
FIG. 14



Quadrant Statistics

File: 021204D.002
Sample ID: Double Stained Untreated
Patient ID: BEAS-2B Cell Line
Gate: G1
Total Events: 12312
Quad Location: 18, 1346

Quad	Events	% Gated	% Total	X Mean	Y Mean
UL	290	2.47	2.36	3.92	2310.72
UR	795	6.78	6.46	154.24	2446.29
LL	10233	87.29	83.11	4.72	10.75
LR	405	3.45	3.29	57.45	150.71



Quadrant Statistics

File: 021204D.008
Sample ID: Bleomycin 100mU/ml 24h
Patient ID: BEAS-2B Cell Line
Gate: G1
Total Events: 18991
Quad Location: 18, 1346

Quad	Events	% Gated	% Total	X Mean	Y Mean
UL	894	5.79	4.71	5.47	3195.58
UR	2251	14.58	11.85	77.54	3033.96
LL	10545	68.31	55.53	5.25	16.65
LR	1748	11.32	9.20	48.67	200.16

FIG. 15

Bleomycin Increases CD95 (Fas) Beas-2B Cells

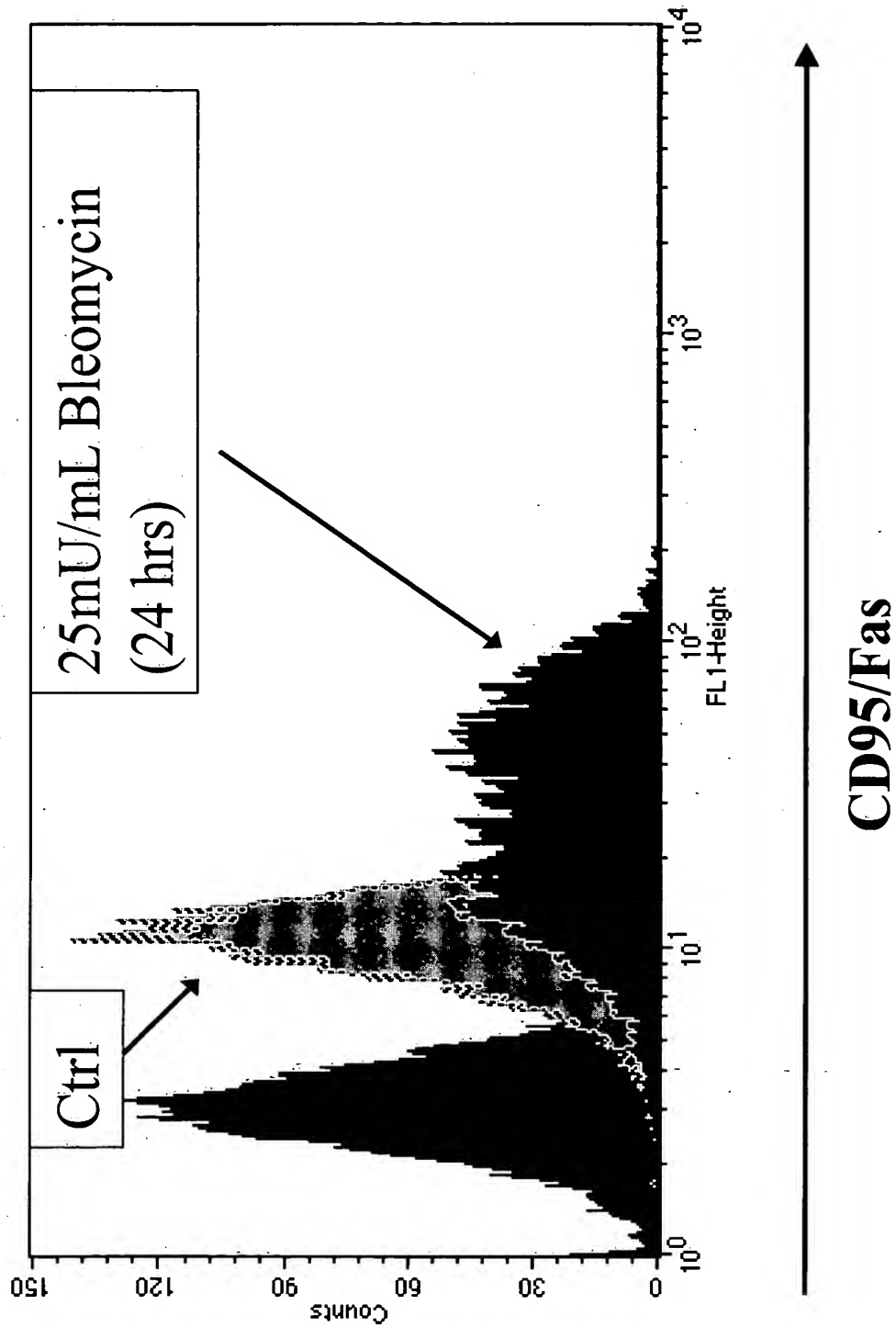


FIG. 16

**Bleomycin Upregulates EphA2
in Beas-2B Bronchial Epithelium**

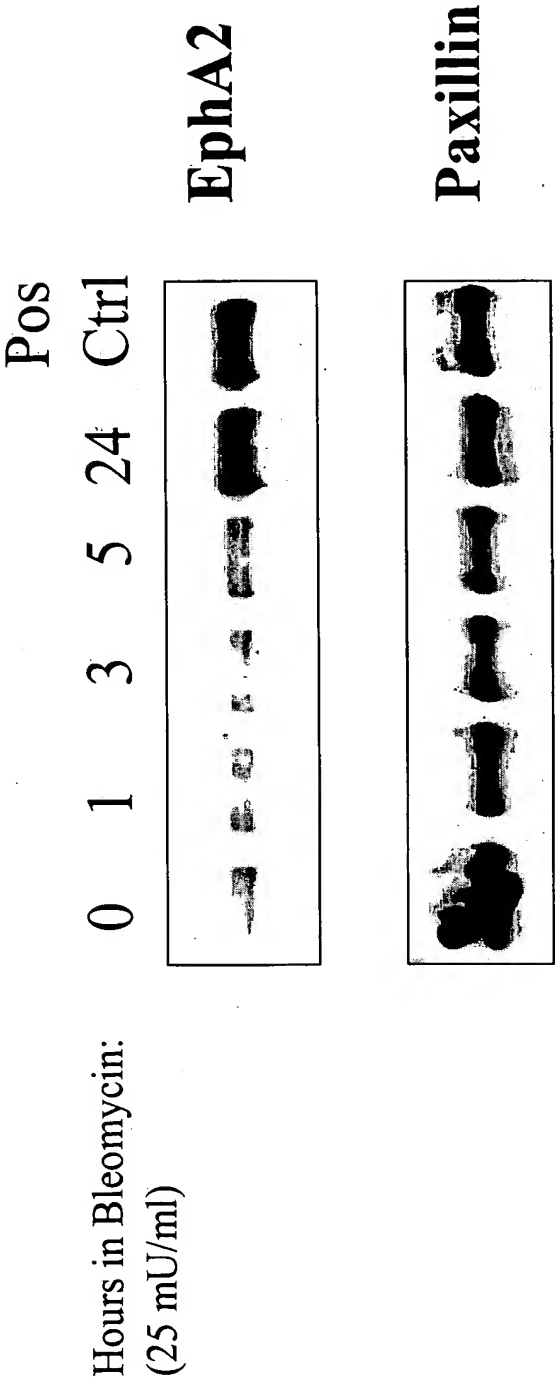


FIG. 17

Bleomycin Increases EphA2 Surface Expression

Beas-2B Cells

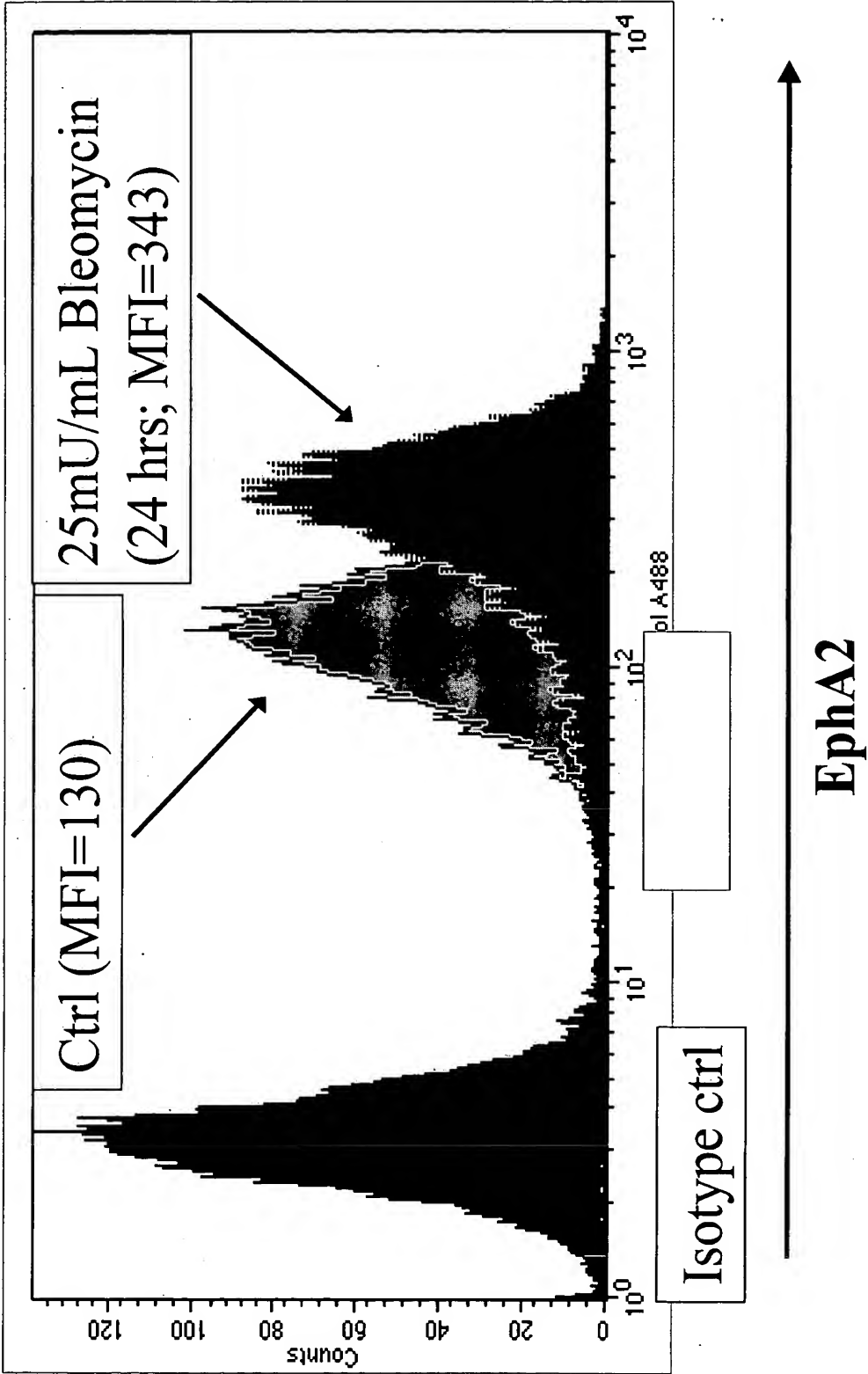
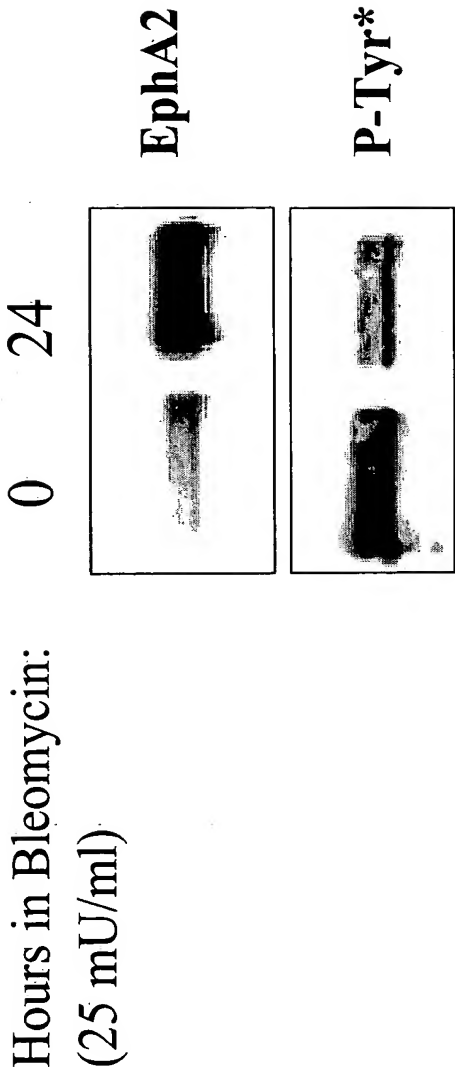


FIG. 18

Bleomycin Induces EphA2 Overexpression and Functional Alteration



Beas2B bronchial epithelium
*IP: anti-EphA2 (D7)

FIG. 19